XR-U220/U330/U331
XR-U440RDS/U441RDS

SERVICE MANUAL

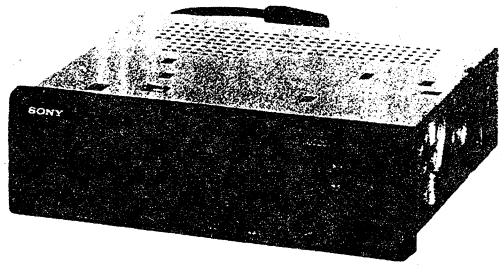

Photo: XR-U220

US Model
Canadian Model
XR-U220/U330
AEP Model
XR-U330/U331/U440RDS/U441RDS
Germany Model
XR-U440RDS
E Model
XR-U330

Model Name Using Similar Mechanism	XR-7130/7140/7142/7600
Tape Transport Mechanism Type	MG-38ZS/38ZS1

SPECIFICATIONS

Power amplifier section

Outputs: Speaker outputs (sure seal connectors)
Speaker impedance: 3.2 – 8 ohms
Maximum power output: 20 W × 4 (at 4 ohms)* * Measured at 14.4 V

Cassette player section

Tape track: 4-track 2-channel stereo
Frequency response: 30 – 18,000 Hz

Signal-to-noise ratio

Cassette type	Dolby B NR on	Dolby NR off
TYPE II, IV	66 dB	58 dB
TYPE I	63 dB	55 dB

Wow and flutter: 0.13% (WRMS)

Tuner section

FM
Tuning range:
XR-U220/U330
US, Canadian model
87.5 – 107.9 MHz
XR-U330/U440RDS/U441RDS
87.5 – 108.0 MHz
Antenna terminal: External antenna connector
Intermediate frequency: 10.7 MHz
Usable sensitivity: 12 dBf (75 ohms)
Selectivity: 75 dB at 400 kHz
Signal-to-noise ratio: 65 dB (stereo), 70 dB (mono)
Harmonic distortion at 1 kHz: 0.5% (stereo), 0.3% (mono)
Separation: 35 dB at 1 kHz
Frequency response: 30 – 15,000 Hz
Capture ratio: 2 dB

AM (MW/LW)
Tuning range:
XR-U220/U330
US, Canadian model
530 – 1,710 kHz
XR-U330:
European and other countries
531 – 1,602 kHz (at 9 kHz step)
North and South American countries
530 – 1,620 kHz (at 10 kHz step)
AM tuning interval
9 kHz/10 kHz switchable (except the model for European countries)
XR-U440RDS
531 – 1,602 kHz
XR-U331/U441RDS
MW: 531 – 1,602 kHz
LW: 153 – 281 kHz

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FM/AM CASSETTE CAR STEREO
XR-U220/U330/U440RDS
FM/MW/LW CASSETTE CAR STEREO
XR-U331/U441RDS

SONY